

PREScore 4.0  
NPL Characteristics Data Collection Form  
Guignon and Green Co. - 02/06/97

Record Information

1. Site Name: Guignon and Green Co.  
(as entered in CERCLIS)
2. Site CERCLIS Number: ~~NJD982741498~~ *NJD 980757579*
3. Site Reviewer: David E. Triggs
4. Date: December 28, 1994
5. Site Location: Kearny, Hudson County, New Jersey  
(City/County, State)
6. Congressional District: 14
7. Site Coordinates: Single

Latitude: 40°45'14.0"

Longitude: 074°08'33.0"

Site Description

1. Setting: Urban
2. Current Owner: Private - Industrial
3. Current Site Status: Site with Unknown Source
4. Years of Operation: Active Site , from and to dates: 1966 to present
5. How Initially Identified: State/Local Program
6. Entity Responsible for Waste Generation:
  - Other - spills
7. Site Activities/Waste Deposition:
  - Waste Piles
  - Drum/Container Storage
  - Unauthorized Dumping by a Third Party
  - Tanks - Above Ground

Waste Description

217036



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8. Wastes Deposited or Detected Onsite:

- Inorganic Chemicals
- Metals
- Oily Waste
- Lead

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Response Actions

9. Response/Removal Actions:

- Other Removal Action Has Occurred

RCRA Information

10. For All Active Facilities, RCRA Site Status:

- Not Applicable

Demographic Information

11. Workers Present Onsite: Yes

12. Distance to Nearest Non-Worker Individual: > 10 Feet - 1/4 Mile

13. Residential Population Within 1 Mile: 5810.0

14. Residential Population Within 4 Miles: 167955.0

Water Use Information

15. Local Drinking Water Supply Source:

- No Water Withdrawals Within Target Distance Limits

16. Total Population Served by Local Drinking Water Supply Source: Not Applicable

17. Drinking Water Supply System Type for Local Drinking  
Water Supply Sources:

- Not Applicable

18. Surface Water Adjacent to/Draining Site:

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- Other - drainage swale

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HRS DOCUMENTATION RECORD  
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Latitude: 40°45'14.0"

Longitude: 074°08'33.0"

	Score
Ground Water Migration Pathway Score (Sgw)	0.00
Surface Water Migration Pathway Score (Ssw)	24.70
Soil Exposure Pathway Score (Ss)	0.61
Air Migration Pathway Score (Sa)	0.00

Site Score	12.36
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NOTE

Site names, and references to specific parcels or properties, are provided for general identification purposes only. Knowledge regarding the extent of sites will be refined as more information is developed during the RI/FS and even during implementation of the remedy.

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HRS DOCUMENTATION RECORD  
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GROUND WATER MIGRATION PATHWAY SCORESHEET  
Guignon and Green Co. - 02/06/97

GROUND WATER MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release to an Aquifer Aquifer: Passaic Formation		
1. Observed Release	550	0
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	6
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	460
3. Likelihood of Release	550	460
Waste Characteristics		
4. Toxicity/Mobility	*	2.00E+03
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	10
Targets		
7. Nearest Well	50	0.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	0.00E+00
8d. Population (lines 8a+8b+8c)	**	0.00E+00
9. Resources	5	0.00E+00
10. Wellhead Protection Area	20	0.00E+00
11. Targets (lines 7+8d+9+10)	**	0.00E+00
12. Targets (including overlaying aquifers)	**	0.00E+00
13. Aquifer Score	100	0.00
GROUND WATER MIGRATION PATHWAY SCORE (Sgw)	100	0.00

\* Maximum value applies to waste characteristics category.

\*\* Maximum value not applicable.

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 SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET  
 Guignon and Green Co. - 02/06/97

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	550
2. Potential to Release by Overland Flow		
2a. Containment	10	3
2b. Runoff	25	1
2c. Distance to Surface Water	25	25
2d. Potential to Release by Overland Flow [lines 2a(2b+2c)]	500	78
3. Potential to Release by Flood		
3a. Containment (Flood)	10	10
3b. Flood Frequency	50	25
3c. Potential to Release by Flood (lines 3a x 3b)	500	250
4. Potential to Release (lines 2d+3c)	500	328
5. Likelihood of Release	550	550
Waste Characteristics		
6. Toxicity/Persistence	*	1.00E+04
7. Hazardous Waste Quantity	*	10
8. Waste Characteristics	100	18
Targets		
9. Nearest Intake	50	0.00E+00
10. Population		
10a. Level I Concentrations	**	0.00E+00
10b. Level II Concentrations	**	0.00E+00
10c. Potential Contamination	**	0.00E+00
10d. Population (lines 10a+10b+10c)	**	0.00E+00
11. Resources	5	5.00E+00
12. Targets (lines 9+10d+11)	**	5.00E+00
13. DRINKING WATER THREAT SCORE	100	0.60

\* Maximum value applies to waste characteristics category.

\*\* Maximum value not applicable.



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 SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET  
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SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
14. Likelihood of Release (same as line 5)	550	550
Waste Characteristics		
15. Toxicity/Persistence/Bioaccumulation	*	5.00E+08
16. Hazardous Waste Quantity	*	10
17. Waste Characteristics	1000	180
Targets		
18. Food Chain Individual	50	2.00E+01
19. Population		
19a. Level I Concentrations	**	0.00E+00
19b. Level II Concentrations	**	0.00E+00
19c. Pot. Human Food Chain Contamination	**	6.20E-02
19d. Population (lines 19a+19b+19c)	**	6.20E-02
20. Targets (lines 18+19d)	**	2.01E+01
21. HUMAN FOOD CHAIN THREAT SCORE	100	24.07

\* Maximum value applies to waste characteristics category.

\*\* Maximum value not applicable.

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 SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET  
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SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
22. Likelihood of Release (same as line 5)	550	550
Waste Characteristics		
23. Ecosystem Toxicity/Persistence/Bioacc.	*	5.00E+08
24. Hazardous Waste Quantity	*	10
25. Waste Characteristics	1000	180
Targets		
26. Sensitive Environments		
26a. Level I Concentrations	**	0.00E+00
26b. Level II Concentrations	**	0.00E+00
26c. Potential Contamination	**	2.50E-02
26d. Sensitive Environments	**	2.50E-02
(lines 26a+26b+26c)		
27. Targets (line 26d)	**	2.50E-02
28. ENVIRONMENTAL THREAT SCORE	60	0.03
29. WATERSHED SCORE	100	24.70
30. SW: OVERLAND/FLOOD COMPONENT SCORE (Sof)	100	24.70

\* Maximum value applies to waste characteristics category.

\*\* Maximum value not applicable.

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GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET  
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GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release to Aquifer Aquifer: Passaic Formation		
1. Observed Release	550	0
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	6
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	460
3. Likelihood of Release	550	460
Waste Characteristics		
4. Toxicity/Mobility/Persistence	*	2.00E+03
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	10
Targets		
7. Nearest Intake	50	0.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	0.00E+00
8d. Population (lines 8a+8b+8c)	**	0.00E+00
9. Resources	5	5.00E+00
10. Targets (lines 7+8d+9)	**	5.00E+00
11. DRINKING WATER THREAT SCORE	100	0.28

\* Maximum value applies to waste characteristics category.

\*\* Maximum value not applicable.

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GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET  
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GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
12. Likelihood of Release (same as line 3)	550	460
Waste Characteristics		
13. Toxicity/Mobility/Persistence/Bioacc.	*	1.00E+07
14. Hazardous Waste Quantity	*	10
15. Waste Characteristics	1000	100
Targets		
16. Food Chain Individual	50	0.00E+00
17. Population		
17a. Level I Concentrations	**	0.00E+00
17b. Level II Concentrations	**	0.00E+00
17c. Pot. Human Food Chain Contamination	**	0.00E+00
17d. Population (lines 17a+17b+17c)	**	0.00E+00
18. Targets (lines 16+17d)	**	0.00E+00
19. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

\* Maximum value applies to waste characteristics category.  
\*\* Maximum value not applicable.

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GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET  
Guignon and Green Co. - 02/06/97

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
20. Likelihood of Release (same as line 3)	550	460
Waste Characteristics		
21. Ecosystem Tox./Mobility/Persist./Bioacc.	*	1.00E+06
22. Hazardous Waste Quantity	*	10
23. Waste Characteristics	1000	56
Targets		
24. Sensitive Environments		
24a. Level I Concentrations	**	0.00E+00
24b. Level II Concentrations	**	0.00E+00
24c. Potential Contamination	**	0.00E+00
24d. Sensitive Environments (lines 24a+24b+24c)	**	0.00E+00
25. Targets (line 24d)	**	0.00E+00
26. ENVIRONMENTAL THREAT SCORE	60	0.00
27. WATERSHED SCORE	100	0.28
28. SW: GW to SW COMPONENT SCORE (Sgs)	100	0.28

\* Maximum value applies to waste characteristics category.

\*\* Maximum value not applicable.

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 SOIL EXPOSURE PATHWAY SCORESHEET  
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SOIL EXPOSURE PATHWAY Factor Categories & Factors RESIDENT POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
1. Likelihood of Exposure	550	550
Waste Characteristics		
2. Toxicity	*	1.00E+04
3. Hazardous Waste Quantity	*	10
4. Waste Characteristics	100	18
Targets		
5. Resident Individual	50	0.00E+00
6. Resident Population		
6a. Level I Concentrations	**	0.00E+00
6b. Level II Concentrations	**	0.00E+00
6c. Resident Population (lines 6a+6b)	**	0.00E+00
7. Workers	15	5.00E+00
8. Resources	5	0.00E+00
9. Terrestrial Sensitive Environments	***	0.00E+00
10. Targets (lines 5+6c+7+8+9)	**	5.00E+00
11. RESIDENT POPULATION THREAT SCORE	**	4.95E+04

\* Maximum value applies to waste characteristics category.

\*\* Maximum value not applicable.

\*\*\* No specific maximum value applies, see HRS for details.

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 SOIL EXPOSURE PATHWAY SCORESHEET  
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SOIL EXPOSURE PATHWAY Factor Categories & Factors NEARBY POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
12. Attractiveness/Accessibility	100	5.00E+00
13. Area of Contamination	100	5.00E+00
14. Likelihood of Exposure	500	5.00E+00
Waste Characteristics		
15. Toxicity	*	1.00E+04
16. Hazardous Waste Quantity	*	10
17. Waste Characteristics	100	18
Targets		
18. Nearby Individual	1	0.00E+00
19. Population Within 1 Mile	**	5.00E+00
20. Targets (lines 18+19)	**	5.00E+00
21. NEARBY POPULATION THREAT SCORE	**	4.50E+02
SOIL EXPOSURE PATHWAY SCORE (Ss)	100	0.61

\* Maximum value applies to waste characteristics category.

\*\* Maximum value not applicable.

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AIR PATHWAY SCORESHEET  
Guignon and Green Co. - 02/06/97

AIR MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release		
2a. Gas Potential to Release	500	0
2b. Particulate Potential to Release	500	0
2c. Potential to Release	500	0
3. Likelihood of Release	550	0
Waste Characteristics		
4. Toxicity/Mobility	*	0.00E+00
5. Hazardous Waste Quantity	*	0
6. Waste Characteristics	100	0
Targets		
7. Nearest Individual	50	2.00E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	6.30E+01
8d. Population (lines 8a+8b+8c)	**	6.30E+01
9. Resources	5	0.00E+00
10. Sensitive Environments		
10a. Actual Contamination	***	0.00E+00
10b. Potential Contamination	***	0.00E+00
10c. Sens. Environments(lines 10a+10b)	***	0.00E+00
11. Targets (lines 7+8d+9+10c)	**	8.30E+01
AIR MIGRATION PATHWAY SCORE (Sa)	100	0.00E+00

\* Maximum value applies to waste characteristics category.

\*\* Maximum value not applicable.

\*\*\* No specific maximum value applies, see HRS for details.



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WASTE QUANTITY  
Guignon and Green Co. - 02/06/97

## 1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: contaminated soil

a. Wastestream ID	none
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

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WASTE QUANTITY  
Guignon and Green Co. - 02/06/97

## 2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID	contaminated soil		
b. Source Type	Contaminated Soil		
c. Secondary Source Type	N.A.		
d. Source Vol. (yd3/gal)	Source Area (ft2)	10.00	20.00
e. Source Volume/Area Value	4.00E-03		
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)	0.00E+00		
g. Data Complete?	NO		
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)	0.00E+00		
i. Data Complete?	NO		
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)	4.00E-03		

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Cadmium	< 2	NO	2.3E+01	ppm
Lead	< 2	NO	1.1E+03	ppm
Zinc	< 2	NO	1.5E+03	ppm

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WASTE QUANTITY  
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## 3. SITE HAZARDOUS WASTE QUANTITY SUMMARY

No. Source ID	Migration Pathways	Vol. or Area Value (2e)	Constituent or Wastestream Value (2f,2h)	Hazardous Waste Qty. Value (2k)
1 contaminated soil	GW-SW-SE	4.00E-03	0.00E+00	4.00E-03

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WASTE QUANTITY  
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## 4. PATHWAY HAZARDOUS WASTE QUANTITY AND WASTE CHARACTERISTICS SUMMARY TABLE

Migration Pathway	Contaminant Values	HWQVs*	WCVs**
Ground Water	Toxicity/Mobility 2.00E+03	10	10
SW: Overland Flow, DW	Tox./Persistence 1.00E+04	10	18
SW: Overland Flow, HFC	Tox./Persis./Bioacc. 5.00E+08	10	180
SW: Overland Flow, Env	Etox./Persis./Bioacc. 5.00E+08	10	180
SW: GW to SW, DW	Tox./Persistence 2.00E+03	10	10
SW: GW to SW, HFC	Tox./Persis./Bioacc. 1.00E+07	10	100
SW: GW to SW, Env	Etox./Persis./Bioacc. 1.00E+06	10	56
Soil Exposure: Resident	Toxicity 1.00E+04	10	18
Soil Exposure: Nearby	Toxicity 1.00E+04	10	18
Air	Toxicity/Mobility 0.00E+00	0	0

\* Hazardous Waste Quantity Factor Values

\*\* Waste Characteristics Factor Category Values

Note: SW = Surface Water  
 GW = Ground Water  
 DW = Drinking Water Threat  
 HFC = Human Food Chain Threat  
 Env = Environmental Threat

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GROUND WATER PATHWAY AQUIFER SUMMARY  
Guignon and Green Co. - 02/06/97

No.	Aquifer ID	Type	Overlaying No.	Inter- Connected with	Likelihood of Release	Targets
1	Passaic Formation	Non K	0	0	460	0.00E+00

Containment

No.	Source ID	HWQ Value	Containment Value
1	contaminated soil	4.00E-03	10

=====  
Containment Factor            10

Net Precipitation

Net Precipitation (inches)

N.A.

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GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Passaic Formation AQUIFER  
Guignon and Green Co. - 02/06/97

Aquifer: Passaic Formation

Type of Aquifer: Non Karst

Overlaying Aquifer: 0

Interconnected with: 0

## OBSERVED RELEASE

No.	Well ID	Well Type	Distance (miles)	Level of Contamination
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- N/A and/or data not specified

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Observed Release Factor 0

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GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Passaic Formation AQUIFER  
Guignon and Green Co. - 02/06/97

## POTENTIAL TO RELEASE

Containment

Containment Factor	10
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Net Precipitation

Net Precipitation Factor	6
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Depth to Aquifer

A. Depth of Hazardous Substances	2.00	feet
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B. Depth to Aquifer from Surface	5.00	feet
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C. Depth to Aquifer (B - A)	3.00	feet
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Depth to Aquifer Factor	5
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Travel Time

Are All Layers Karst?	YES
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Thickness of Layer(s) with Lowest Conductivity	0.00	feet
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Hydraulic Conductivity (cm/sec)	0.0E-00
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Travel Time Factor	35
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Potential to Release Factor	460
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GROUND WATER PATHWAY WASTE CHARACTERISTICS  
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Source: 1 contaminated soil

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Toxicity Value	Mobility Value	Toxicity/ Mobility Value
Cadmium	10000	2.00E-01	2.00E+03
Lead	0	2.00E-03	0.00E+00
Zinc	10	2.00E-01	2.00E+00



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GROUND WATER PATHWAY WASTE CHARACTERISTICS  
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Hazardous Substances Found in an Observed Release

Well No.	Observed Release Hazardous Substance	Toxicity Value	Mobility Value	Toxicity/ Mobility Value
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- N/A and/or data not specified

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GROUND WATER PATHWAY TARGETS FOR AQUIFER Passaic Formation  
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Toxicity/Mobility Value from Source Hazardous Substances:	2.00E+03
Toxicity/Mobility Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Mobility Factor:	2.00E+03
Sum of Source Hazardous Waste Quantity Values:	4.00E-03
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	10

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GROUND WATER PATHWAY TARGETS FOR AQUIFER Passaic Formation  
Guignon and Green Co. - 02/06/97

Population by Well

No.	Well ID	Sample Type	Distance (miles)	Level of Contamination Population
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- N/A and/or data not specified

Level I Population Factor: 0.00

Level II Population Factor: 0.00

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GROUND WATER PATHWAY TARGETS FOR AQUIFER Passaic Formation  
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Potential Contamination by Distance Category

Distance Category (miles)	Population	Value
> 0 to 1/4	0.0	0.00E+00
> 1/4 to 1/2	0.0	0.00E+00
> 1/2 to 1	0.0	0.00E+00
> 1 to 2	0.0	0.00E+00
> 2 to 3	0.0	0.00E+00
> 3 to 4	0.0	0.00E+00

Potential Contamination Factor: 0.000

Nearest Well

Level of Contamination: N.A.

Nearest Well Factor: 0.00E+00

Resources

Resource Use: NO

Resource Factor: 0.00E+00

Wellhead Protection Area

No wellhead protection area

Wellhead Protection Area Factor: 0.00E+00

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SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE  
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No.	Segment ID	Segment Type	Water Type	Start Point (mi)	End Point (mi)	Average Flow (cfs)
1	unnamed ditch	River	Fresh	0.00	0.00	5
2	Dead Horse Creek	River	Fresh	0.00	0.09	5
3	Frank's Creek	River	Fresh	0.09	0.20	5
4	Passaic River	River	Fresh	0.20	1.00	650
5	Hackensack River	River	Fresh	1.00	2.50	650

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SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE  
Guignon and Green Co. - 02/06/97

## OBSERVED RELEASE

No.	Sample ID	Sample Type	Distance (miles)	Level of Contamination		
				DW	HFC	Env
1	trichloroethene	Aqueous	0.010	Level I	Potential	Level II
2		Sediment	0.010	Level II	Level II	Level II

Sample No.	Hazardous Substance	Concent.	Units
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1	Trichloroethylene	6.0E+01	ppb
2	Acenaphthene	1.5E+03	ppb
2	Anthracene	1.8E+04	ppb
2	Benz(a)anthracene	3.9E+03	ppb
2	Benzo(a)pyrene	3.2E+03	ppb
2	Chrysene	5.0E+03	ppb
2	Lead	3.7E+02	ppb
2	Nickel	6.0E+02	ppb
2	Phenanthrene	1.2E+04	ppb
2	Pyrene	1.0E+04	ppb
2	Zinc	7.7E+02	ppb

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Observed Release Factor 550

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SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE  
Guignon and Green Co. - 02/06/97

## POTENTIAL TO RELEASE

## Potential to Release by Overland Flow

Containment

No.	Source ID	HWQ Value	Containment Value
1	contaminated soil	4.00E-03	3

=====  
Containment Factor: 3

PREScore 4.0

SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE  
Guignon and Green Co. - 02/06/97Distance to Surface Water

Distance to Surface Water: 3.0 feet

Distance to Surface Water Factor: 25

Runoff

A. Drainage Area: 0.9 acres

B. 2-year, 24-hour Rainfall: 3.0 inches

C. Soil Group: B  
Medium-textured soils with moderate infiltration rates

Runoff Factor: 1

=====

Potential to Release by Overland Flow Factor: 78



PREScore 4.0

SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE  
Guignon and Green Co. - 02/06/97

## Potential to Release by Flood

No.	Source ID	HWQ Value	Flood Containment Value	Flood Frequency Value	Potential to Release by Flood
1	contaminated soil	4.00E-03	10	25	250

=====

Potential to Release by Flood Factor: 250

PREScore 4.0

SW PATHWAY: OVERLAND/FLOOD DRINKING WATER THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

Source: 1 contaminated soil

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Toxicity Value	Persistence Value	Toxicity/ Persistence Value
Cadmium	10000	1.00E+00	1.00E+04
Lead	0	1.00E+00	0.00E+00
Zinc	10	1.00E+00	1.00E+01

## PREScore 4.0

SW PATHWAY: OVERLAND/FLOOD DRINKING WATER THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

## Hazardous Substances Found in an Observed Release

Sample No.	Observed Release Hazardous Substance	Toxicity Value	Persistence Value	Toxicity/ Persistence Value
1	Trichloroethylene	10	4.00E-01	4.00E+00
2	Acenaphthene	10	4.00E-01	4.00E+00
2	Anthracene	10	1.00E+00	1.00E+01
2	Benz(a)anthracene	1000	1.00E+00	1.00E+03
2	Benzo(a)pyrene	10000	1.00E+00	1.00E+04
2	Chrysene	10	1.00E+00	1.00E+01
2	Lead	0	1.00E+00	0.00E+00
2	Nickel	10000	1.00E+00	1.00E+04
2	Phenanthrene	0	1.00E+00	0.00E+00
2	Pyrene	100	1.00E+00	1.00E+02
2	Zinc	10	1.00E+00	1.00E+01

## PREScore 4.0

SW PATHWAY: OVERLAND/FLOOD DRINKING WATER THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

Toxicity/Persistence Value from Source Hazardous Substances:	1.00E+04
Toxicity/Persistence Value from Observed Release Hazardous Substances:	1.00E+04
Toxicity/Persistence Factor:	1.00E+04
Sum of Source Hazardous Waste Quantity Values:	4.00E-03
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	18

## PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS  
Guignon and Green Co. - 02/06/97

## Level I Concentrations

Sample ID: trichloroethene  
Sample Medium: Aqueous  
Location: 0.01 miles

Hazardous Substance	Hazardous Substance Concentration	DW MCL Benchmark Concentration	Units
Trichloroethylene	6.0E+01	5.0E+00	ppb

## PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS  
Guignon and Green Co. - 02/06/97

## Level II Concentrations

Sample ID:  
Sample Medium: Sediment  
Location: 0.01 miles

Hazardous Substance	Hazardous Substance Concentration	DW MCL Benchmark Concentration	Units
Acenaphthene	1.5E+03	N.A.	ppb
Anthracene	1.8E+04	N.A.	ppb
Benz(a)anthracene	3.9E+03	N.A.	ppb
Benzo(a)pyrene	3.2E+03	N.A.	ppb
Chrysene	5.0E+03	N.A.	ppb
Lead	3.7E+02	N.A.	ppb
Nickel	6.0E+02	N.A.	ppb
Phenanthrene	1.2E+04	N.A.	ppb
Pyrene	1.0E+04	N.A.	ppb
Zinc	7.7E+02	N.A.	ppb

## Most Distant Level I Sample

Sample ID: trichloroethene  
Distance from the Probable Point of Entry: 0.01 miles

## Most Distant Level II Sample

Sample ID:  
Distance from the Probable Point of Entry: 0.01 miles

## PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Level I Concentrations

Intake	Distance Along the In-water Segment from the Probable Point of Entry (miles)	Population
--------	--	------------

- N/A and/or data not specified

=====  
Population Served by Level I Intakes: 0.0

Level I Population Factor: 0.00E+00

PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Level II Concentrations

Intake	Distance Along the In-water Segment from the Probable Point of Entry (miles)	Population
--------	--	------------

- N/A and/or data not specified

Population Served by Level II Intakes: 0.0

Level II Population Factor: 0.00E+00



## PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Potential Contamination

Intake ID	Average Annual Flow (cfs)	Population Served
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- N/A and/or data not specified

Type of Surface Water Body	Total Population	Dilution-Weighted Population
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- N/A and/or data not specified

=====

Dilution-Weighted Population Served by Potentially Contaminated Intakes:	0.0
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Potential Contamination Factor:	0.0
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Nearest Intake

Location of Nearest Drinking Water Intake: N.A.

Nearest Intake Factor: 0.00

Resources

Resource Use: YES

Resource Value: 5.00E+00

PREScore 4.0

SW PATHWAY: OVERLAND/FLOOD HUMAN FOOD CHAIN THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

Source: 1 contaminated soil

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Toxicity Value	Persistence Value	Bio- accum. Value	Toxicity/ Persistence/ Bioaccum. Value
Cadmium	10000	1.00E+00	5.00E+03	5.00E+07
Lead	0	1.00E+00	5.00E+01	0.00E+00
Zinc	10	1.00E+00	5.00E+02	5.00E+03

## PREScore 4.0

SW PATHWAY: OVERLAND/FLOOD HUMAN FOOD CHAIN THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

## Hazardous Substances Found in an Observed Release

Sample No.	Observed Release Hazardous Substance	Toxicity Value	Persistence Value	Bio-accum. Value	Toxicity/Persistence/Bioaccum. Value
1	Trichloroethylene	10	4.00E-01	5.00E+01	2.00E+02
2	Acenaphthene	10	4.00E-01	5.00E+02	2.00E+03
2	Anthracene	10	1.00E+00	5.00E+03	5.00E+04
2	Benz(a)anthracene	1000	1.00E+00	5.00E+04	5.00E+07
2	Benzo(a)pyrene	10000	1.00E+00	5.00E+04	5.00E+08
2	Chrysene	10	1.00E+00	5.00E+02	5.00E+03
2	Lead	0	1.00E+00	5.00E+01	0.00E+00
2	Nickel	10000	1.00E+00	5.00E-01	5.00E+03
2	Phenanthrene	0	1.00E+00	5.00E+01	0.00E+00
2	Pyrene	100	1.00E+00	5.00E+01	5.00E+03
2	Zinc	10	1.00E+00	5.00E+02	5.00E+03

## PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Toxicity/Persistence/Bioaccumulation Value from Source Hazardous Substances:	5.00E+07
Toxicity/Persistence/Bioaccumulation Value from Observed Release Hazardous Substances:	5.00E+08
Toxicity/Persistence/Bioaccumulation Factor:	5.00E+08
Sum of Source Hazardous Waste Quantity Values:	4.00E-03
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	180

## PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS  
Guignon and Green Co. - 02/06/97

## Level I Concentrations

- N/A and/or data not specified

## Level II Concentrations

Sample ID:

Sample Medium: Sediment

Location: 0.01 miles

Hazardous Substance	Hazardous Substance Concentration	FDAAL Benchmark Concentration	Units
Acenaphthene	1.5E+03	N.A.	ppb
Anthracene	1.8E+04	N.A.	ppb
Benz(a)anthracene	3.9E+03	N.A.	ppb
Benzo(a)pyrene	3.2E+03	N.A.	ppb
Chrysene	5.0E+03	N.A.	ppb
Lead	3.7E+02	N.A.	ppb
Nickel	6.0E+02	N.A.	ppb
Phenanthrene	1.2E+04	N.A.	ppb
Pyrene	1.0E+04	N.A.	ppb
Zinc	7.7E+02	N.A.	ppb

Most Distant Level I Sample

- N/A and/or data not specified

Most Distant Level II Sample

Sample ID:

Distance from the Probable Point of Entry: 0.01 miles

PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Level I Concentrations

Fishery	Annual Production (pounds)	Human Food Chain Population Value
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- N/A and/or data not specified

=====

Sum of Human Food Chain Population Values: 0.00E+00

Level I Concentrations Factor: 0.00E+00

## PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Level II Concentrations

Fishery	Annual Production (pounds)	Human Food Chain Population Value
- N/A and/or data not specified		

=====

Sum of Human Food Chain Population Values: 0.00E+00

Level II Concentrations Factor: 0.00E+00

## PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Potential Contamination

Fishery	Annual Production (pounds)	Type of Surface Water Body	Average Annual Flow (cfs)	Pop. Value (Pi)	Dilution Weight (Di)	Pi*Di
4 Passaic River	10000.0	River	650	31.0	1.00E-02	3.10E-01
5 Hackensack River	10000.0	River	650	31.0	1.00E-02	3.10E-01

=====  
Sum of (Pi\*Di): 6.20E-01

Potential Human Food Chain Contamination Factor: 6.20E-02

Food Chain Individual

Location of Nearest Fishery: Passaic River  
Distance from the Probable Point of Entry: 0.20 miles  
Type of Surface Water Body: River  
Dilution Weight: 0.0100000  
Level of Contamination: Bioaccumulation > 500

Food Chain Individual Factor: 20.00



## PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

Source: 1 contaminated soil

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Eco- toxicity Value	Persistence Value	Bio- accum. Value	Ecotoxicity/ Persistence/ Bioaccum. Value
Cadmium	1000	1.00E+00	5.00E+03	5.00E+06
Lead	1000	1.00E+00	5.00E+03	5.00E+06
Zinc	10	1.00E+00	5.00E+02	5.00E+03

## PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

## Hazardous Substances Found in an Observed Release

Sample No.	Observed Release Hazardous Substance	Eco-toxicity Value	Persistence Value	Bio-accum. Value	Ecotoxicity/Persistence/Bioaccum. Value
1	Trichloroethylene	100	4.00E-01	5.00E+01	2.00E+03
2	Acenaphthene	10000	4.00E-01	5.00E+02	2.00E+06
2	Anthracene	10000	1.00E+00	5.00E+03	5.00E+07
2	Benz(a)anthracene	10000	1.00E+00	5.00E+04	5.00E+08
2	Benzo(a)pyrene	10000	1.00E+00	5.00E+04	5.00E+08
2	Chrysene	1000	1.00E+00	5.00E+03	5.00E+06
2	Lead	1000	1.00E+00	5.00E+03	5.00E+06
2	Nickel	10	1.00E+00	5.00E+02	5.00E+03
2	Phenanthrene	10000	1.00E+00	5.00E+03	5.00E+07
2	Pyrene	10000	1.00E+00	5.00E+01	5.00E+05
2	Zinc	10	1.00E+00	5.00E+02	5.00E+03

## PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

Ecotoxicity/Persistence/Bioaccumulation Value from Source Hazardous Substances:	5.00E+06
Ecotoxicity/Persistence/Bioaccumulation Value from Observed Release Hazardous Substances:	5.00E+08
Ecotoxicity/Persistence/Bioaccumulation Factor:	5.00E+08
Sum of Source Hazardous Waste Quantity Values:	4.00E-03
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	180

## PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS  
Guignon and Green Co. - 02/06/97

## Level I Concentrations

- N/A and/or data not specified

## Level II Concentrations

Sample ID: trichloroethene  
Sample Medium: Aqueous  
Location: 0.01 miles

Hazardous Substance	Hazardous Substance Concentration	AWQC Benchmarks Concentrations		Units
		FRESH	SALT	
Trichloroethylene	6.0E+01	0.0E+01	0.0E+01	ppb

Sample ID:  
Sample Medium: Sediment  
Location: 0.01 miles

Hazardous Substance	Hazardous Substance Concentration	AWQC Benchmarks Concentrations		Units
		FRESH	SALT	
Acenaphthene	1.5E+03		N.A.	ppb
Anthracene	1.8E+04		N.A.	ppb
Benz(a)anthracene	3.9E+03		N.A.	ppb
Benzo(a)pyrene	3.2E+03		N.A.	ppb
Chrysene	5.0E+03		N.A.	ppb
Lead	3.7E+02		N.A.	ppb
Nickel	6.0E+02		N.A.	ppb
Phenanthrene	1.2E+04		N.A.	ppb
Pyrene	1.0E+04		N.A.	ppb
Zinc	7.7E+02		N.A.	ppb

## Most Distant Level I Sample

- N/A and/or data not specified

## Most Distant Level II Sample

Sample ID: trichloroethene  
Distance from the Probable Point of Entry: 0.01 miles

PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS  
Guignon and Green Co. - 02/06/97

## PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Level I Concentrations

Sensitive Environment	Distance from Probable Point of Entry to Sensitive Env. (miles)	Sensitive Environment Value
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- N/A and/or data not specified

Sum of Sensitive Environments Values:	0
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Wetlands

Wetland	Distance from Probable Point of Entry to Wetland (miles)	Wetlands Frontage (miles)
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- N/A and/or data not specified

Total Wetlands Frontage:	0.00 Miles	Total Wetlands Value:	0
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=====

Sum of Sensitive Environments Value + Wetlands Value: 0.00E+00

Level I Concentrations Factor: 0.00E+00

## PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Level II Concentrations

Sensitive Environment	Distance from Probable Point of Entry to Sensitive Env. (miles)	Sensitive Environment Value
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- N/A and/or data not specified

Sum of Sensitive Environments Values: 0

Wetlands

Wetland	Distance from Probable Point of Entry to Wetland (miles)	Wetlands Frontage (miles)
---------	--	------------------------------

- N/A and/or data not specified

Total Wetlands Frontage: 0.00 Miles      Total Wetlands Value: 0

=====

Sum of Sensitive Environments Value + Wetlands Value: 0.00E+00

Level II Concentrations Factor: 0.00E+00

## PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Potential Contamination

Sensitive Environments

Type of Surface Water Body	Sensitive Environment	Sensitive Environment Value
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Wetlands

Type of Surface Water Body	Sensitive Environment	Wetlands Frontage	Wetlands Value
River	1 Palustrine emergent	0.04	0
River	2 Palustrine open	0.09	0



## PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS  
 Guignon and Green Co. - 02/06/97

Type of Surface Water Body	Sum of Sens. Environment Values(Sj)	Sum of Wetland Frontage Values(Wj)	Dilution Weight (Dj)	Dj(Wj+Sj)
Moderate to Large Stream	0	25	1.00E-02	2.50E-01

Sum of Dj(Wj+Sj): 2.50E-01  
 Sum of Dj(Wj+Sj)/10: 2.50E-02

=====

Potential Contamination Sensitive Environment Factor: 2.50E-02

PREScore 4.0  
SURFACE WATER PATHWAY GW TO SW COMPONENT LIKELIHOOD OF RELEASE  
Guignon and Green Co. - 02/06/97

Containment

No.	Source ID	HWQ Value	Containment Value
1	contaminated soil	4.00E-03	10
=====			
Containment Factor			10

Net Precipitation

Net Precipitation (inches)	0.00
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PREScore 4.0

SURFACE WATER PATHWAY GW TO SW COMPONENT LIKELIHOOD OF RELEASE  
Guignon and Green Co. - 02/06/97

Aquifer: Passaic Formation

Type of Aquifer: Non Karst

Overlaying Aquifer: 0

Interconnected with: 0

## OBSERVED RELEASE

No.	Well ID	Well Type	Distance (miles)	Level of Contamination
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- N/A and/or data not specified

=====

Observed Release Factor 0

PREScore 4.0  
SURFACE WATER PATHWAY GW TO SW COMPONENT LIKELIHOOD OF RELEASE  
Guignon and Green Co. - 02/06/97

POTENTIAL TO RELEASE

Ground Water to Surface Water Angle

Probable Point of Entry	0.00	miles
Angle Theta	0	

Containment

Containment Factor	10	
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Net Precipitation

Net Precipitation Factor	6	
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Depth to Aquifer

A. Depth of Hazardous Substances	2.00	feet
B. Depth to Aquifer from Surface	5.00	feet
C. Depth to Aquifer (B - A)	3.00	feet
Depth to Aquifer Factor	5	

Travel Time

Are All Layers Karst?	YES	
Thickness of Layer(s) with Lowest Conductivity	0.00	feet
Hydraulic Conductivity (cm/sec)	0.0E-00	

PREScore 4.0  
SURFACE WATER PATHWAY GW TO SW COMPONENT LIKELIHOOD OF RELEASE  
Guignon and Green Co. - 02/06/97

Travel Time Factor	35
=====	
Potential to Release Factor	460

PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

Source: 1 contaminated soil

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Toxicity Factor Value	Persist. Value	Mobility Value	Toxicity/ Mobililty/ Persistence
Cadmium	10000	1.00E+00	2.00E-01	2.00E+03
Lead	0	1.00E+00	2.00E-03	0.00E+00
Zinc	10	1.00E+00	2.00E-01	2.00E+00

## PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

## Hazardous Substances Found in an Observed Release

Observed Release Hazardous Substance	Toxicity Factor Value	Persist. Value	Toxicity/ Persistence
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- N/A and/or data not specified

## PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

Toxicity/Mobility/Persistence Value from Source Hazardous Substances:	2.00E+03
Toxicity/Mobility/Persistence Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Mobility/Persistence Factor:	2.00E+03
Sum of Source Hazardous Waste Quantity Values:	4.00E-03
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	10



PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Level I Concentrations

- N/A and/or data not specified

Level II Concentrations

- N/A and/or data not specified

Most Distant Level I Sample

- N/A and/or data not specified

Most Distant Level II Sample

- N/A and/or data not specified

## PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Level I Concentrations

Intake	Distance Along the In-water Segment from the Probable Point of Entry (miles)	Population
--------	--	------------

- N/A and/or data not specified

Population Served by Level I Intakes: 0.0

Level I Population Factor: 0.00E+00

## PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Level II Concentrations

Intake	Distance Along the In-water Segment from the Probable Point of Entry (miles)	Population
--------	--	------------

- N/A and/or data not specified

=====  
Population Served by Level II Intakes: 0.0

Level II Population Factor: 0.00E+00

## PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Potential Contamination

Intake ID	Average Annual Flow (cfs)	Population Served
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- N/A and/or data not specified

Type of Surface Water Body	Total Population	Dilution-Weighted Population
-------------------------------	---------------------	---------------------------------

- N/A and/or data not specified

=====

Dilution-Weighted Population Served  
by Potentially Contaminated Intakes: 0.0

Potential Contamination Factor: 0.0

Nearest Intake

Location of Nearest Drinking Water Intake: N.A.

Nearest Intake Factor: 0.00

Resources

Resource Use: YES

Resource Value: 5.00E+00

PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT HUMAM FOOD CHAIN THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

Source: 1 contaminated soil

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Toxicity Value	Persist. Value	Mobility Value	Bio- accum. Value	Tox./Mobil./ Persistence/ Bioaccum. Value
Cadmium	10000	1.00E+00	2.00E-01	5.00E+03	1.00E+07
Lead	0	1.00E+00	2.00E-03	5.00E+01	0.00E+00
Zinc	10	1.00E+00	2.00E-01	5.00E+02	1.00E+03

## PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT HUMAM FOOD CHAIN THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

## Hazardous Substances Found in an Observed Release

Observed Release Hazardous Substance	Toxicity Value	Persist. Value	Bio- accum. Value	Toxicity/ Persistence Bioaccum. Value
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- N/A and/or data not specified

## PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Toxicity/Mobility/Persistence/Bioaccumulation Value from Source Hazardous Substances:	1.00E+07
Toxicity/Mobility/Persistence/Bioaccumulation Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Mobility/Persistence/Bioaccumulation Factor:	1.00E+07
Sum of Source Hazardous Waste Quantity Values:	4.00E-03
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	100

PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Level I Concentrations

- N/A and/or data not specified

Level II Concentrations

- N/A and/or data not specified

Most Distant Level I Sample

- N/A and/or data not specified

Most Distant Level II Sample

- N/A and/or data not specified



## PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Level I Concentrations

Fishery	Annual Production (pounds)	Human Food Chain Population Value
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- N/A and/or data not specified

=====

Sum of Human Food Chain Population Values: 0.00E+00

Level I Concentrations Factor: 0.00E+00

PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Level II Concentrations

Fishery	Annual Production (pounds)	Human Food Chain Population Value
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- N/A and/or data not specified

=====

Sum of Human Food Chain Population Values: 0.00E+00

Level II Concentrations Factor: 0.00E+00

## PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Potential Contamination

Fishery	Annual Production (pounds)	Type of Surface Water Body	Average Annual Flow (cfs)	Pop. Value (Pi)	Dilution Weight (Di)	Pi*Di
4 Passaic River	10000.0	River	650	31.0	0.00E+00	0.00E+00
5 Hackensack River	10000.0	River	650	31.0	0.00E+00	0.00E+00

=====

Sum of (Pi\*Di): 0.00E+00

Potential Human Food Chain Contamination Factor: 0.00E+00

Food Chain Individual

Location of Nearest Fishery: Passaic River  
Distance from the Probable Point of Entry: 0.20 miles  
Type of Surface Water Body: River  
Dilution Weight: 0.0000000  
Level of Contamination: Potential

Food Chain Individual Factor: 20.00

## PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

Source: 1 contaminated soil

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Eco- toxicity Value	Persist. Value	Mob. Value	Bio- accum. Value	Ecotoxicity/ Mobility/ Persistence/ Bioaccum. Value
Cadmium	1000	1.00E+00	2.00E-01	5.00E+03	1.00E+06
Lead	1000	1.00E+00	2.00E-03	5.00E+03	1.00E+04
Zinc	10	1.00E+00	2.00E-01	5.00E+02	1.00E+03

## PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

## Hazardous Substances Found in an Observed Release

Observed Release Hazardous Substance	Eco- toxicity Value	Persist. Value	Bio- accum. Value	Ecotoxicity/ Persistence/ Bioaccum. Value
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- N/A and/or data not specified

## PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

Ecotoxicity/Mobility/Persistence/Bioaccumulation Value from Source Substances:	1.00E+06
Ecotoxicity/Mobility/Persistence/Bioaccumulation Value from Observed Hazardous Substances:	0.00E+00
Ecotoxicity/Mobility/Persistence/Bioaccumulation Factor:	1.00E+06
Sum of Source Hazardous Waste Quantity Values:	4.00E-03
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	56

PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Level I Concentrations

- N/A and/or data not specified

Level II Concentrations

- N/A and/or data not specified

Most Distant Level I Sample

- N/A and/or data not specified

Most Distant Level II Sample

- N/A and/or data not specified

PREScore 4.0  
 SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS  
 Guignon and Green Co. - 02/06/97

Level I Concentrations

Sensitive Environment	Distance from Probable Point of Entry to Sensitive Env. (miles)	Sensitive Environment Value
- N/A and/or data not specified		

Sum of Sensitive Environments Values:	0
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Wetlands

Wetland	Distance from Probable Point of Entry to Wetland (miles)	Wetlands Frontage (miles)
- N/A and/or data not specified		

Total Wetlands Frontage:	0.00 Miles	Total Wetlands Value:	0
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=====

Sum of Sensitive Environments Value + Wetlands Value:	0.00E+00
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Level I Concentrations Factor: 0.00E+00



## PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Level II Concentrations

Sensitive Environment	Distance from Probable Point of Entry to Sensitive Env. (miles)	Sensitive Environment Value
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- N/A and/or data not specified

Sum of Sensitive Environments Values: 0

Wetlands

Wetland	Distance from Probable Point of Entry to Wetland (miles)	Wetlands Frontage (miles)
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- N/A and/or data not specified

Total Wetlands Frontage: 0.00 Miles      Total Wetlands Value: 0

=====

Sum of Sensitive Environments Value + Wetlands Value: 0.00E+00

Level II Concentrations Factor: 0.00E+00

## PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Potential Contamination

Sensitive Environments

Type of Surface Water Body	Sensitive Environment	Sensitive Environment Value
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Wetlands

Type of Surface Water Body	Sensitive Environment	Wetlands Frontage	Wetlands Value
River	1 Palustrine emergent	0.04	0
River	2 Palustrine open	0.09	0

## PREScore 4.0

SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Type of Surface Water Body	Sum of Sens. Environment Values(Sj)	Sum of Wetland Frontage Values(Wj)	Dilution Weight (Dj)	Dj(Wj+Sj)
Moderate to Large Stream	0	25	0.00E+00	0.00E+00

Sum of Dj(Wj+Sj): 0.00E+00  
Sum of Dj(Wj+Sj)/10: 0.00E+00

=====

Potential Contamination Sensitive Environment Factor: 0.00E+00

## PREScore 4.0

SOIL EXPOSURE PATHWAY RESIDENT POPULATION THREAT LIKELIHOOD OF EXPOSURE  
 Guignon and Green Co. - 02/06/97

## Likelihood of Exposure

No. Source ID Level of Contamination

1 contaminated soil Level II

Likelihood of Exposure Factor: 550

Source No.	Hazardous Substance	Depth (ft.)	Concent.	Cancer	RFD	Units
1	Cadmium	< 2	2.3E+01	0.0E+00	2.9E+02	ppm
1	Lead	< 2	1.1E+03	0.0E+00	0.0E+00	ppm
1	Zinc	< 2	1.5E+03	0.0E+00	1.7E+05	ppm

PREScore 4.0

SOIL EXPOSURE PATHWAY RESIDENT POPULATION THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

Source: 1 contaminated soil

Source Hazardous Waste Quantity Value: 0.00

Hazardous  
SubstanceToxicity  
Value

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Cadmium	10000
Lead	0
Zinc	10

## PREScore 4.0

SOIL EXPOSURE PATHWAY RESIDENT POPULATION THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

Toxicity Factor:	1.00E+04
Sum of Source Hazardous Waste Quantity Values:	5.88E-04
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	18

## PREScore 4.0

SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT LIKELIHOOD OF EXPOSURE  
Guignon and Green Co. - 02/06/97Targets

Level I Population:	0.0	Value:	0.00
Level II Population:	0.0	Value:	0.00
Workers:	10.0	Value:	5.00
Resident Individual:	Potentia	Value:	0.00
Resources:	NO	Value:	0.00

Terrestrial Sensitive Environment	Value
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- N/A and/or data not specified

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Terrestrial Sensitive Environments Factor: 0.00

PREScore 4.0

SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT LIKELIHOOD OF EXPOSURE  
Guignon and Green Co. - 02/06/97

## Likelihood of Exposure

No. Source ID	Level of Contamination	Attractiveness/ Accessibility	Area of Contam. (sq. feet)
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1 contaminated soil	Level II	5	20
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Highest Attractiveness/Accessibility Value: 5

Sum of Eligible Areas Of Contamination (sq. feet): 20

Area of Contamination Value: 5

Likelihood of Exposure Factor Category: 5

Source No.	Hazardous Substance	Depth (ft.)	Concent.	Cancer	RFD	Units
1	Cadmium	< 2	2.3E+01	0.0E+00	2.9E+02	ppm
1	Lead	< 2	1.1E+03	0.0E+00	0.0E+00	ppm
1	Zinc	< 2	1.5E+03	0.0E+00	1.7E+05	ppm



PREScore 4.0

SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

Source: 1 contaminated soil

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Toxicity Value
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Cadmium	10000
Lead	0
Zinc	10

PREScore 4.0  
SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Toxicity Factor:	1.00E+04
Sum of Source Hazardous Waste Quantity Values:	5.88E-04
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	18

PREScore 4.0  
SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT TARGETS  
Guignon and Green Co. - 02/06/97

Nearby Individual

Population within 1/4 mile: 0.0

Nearby Individual Value: 0.0

Population Within 1 Mile

Travel Distance Category	Number of People	Value
> 0 to 1/4 mile	0.0	0.0
> 1/4 to 1/2 mile	1870.0	2.0
> 1/2 to 1 mile	3940.0	3.3

Population Within 1 Mile Factor: 5.0

PREScore 4.0  
AIR: PATHWAY LIKELIHOOD OF RELEASE  
Guignon and Green Co. - 02/06/97

## OBSERVED RELEASE

No. Sample ID	Distance (miles)	Level of Contamination
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- N/A and/or data not specified

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Observed Release Factor: 0

PREScore 4.0  
AIR PATHWAY LIKELIHOOD OF RELEASE  
Guignon and Green Co. - 02/06/97

## Gas Migration Potential

## GAS POTENTIAL TO RELEASE

Source ID	Source Type	Gas Contain. Value (A)	Gas Source Type Value (B)	Gas Migrtn. Potent. Value (C)	Sum (B+C)	Gas Potential to Rel. Value A(B+C)
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- N/A and/or data not specified

Gas Potential to Release Factor:

0

PREScore 4.0  
AIR PATHWAY LIKELIHOOD OF RELEASE  
Guignon and Green Co. - 02/06/97

Source: contaminated soil

Gaseous Hazardous Substance	Hazardous Substance Gas Migration Potential Value
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Average of Gas Migration Potential Value for 3 Hazardous Substances: 0.000  
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Gas Migration Potential Value From Table 6-7: 0

PREScore 4.0  
AIR PATHWAY LIKELIHOOD OF RELEASE  
Guignon and Green Co. - 02/06/97

Particulate Migration Potential

PARTICULATE POTENTIAL TO RELEASE

Source ID	Source Type	Partic. Contain. Value (A)	Partic. Source Type Value (B)	Partic. Migrtn. Potent. Value (C)	Sum (B+C)	Partic. Potential to Rel. Value A(B+C)
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- N/A and/or data not specified

Particulate Potential to Release Factor:

0

PREScore 4.0  
AIR PATHWAY LIKELIHOOD OF RELEASE  
Guignon and Green Co. - 02/06/97

Source: contaminated soil

Particulate Hazardous Substance

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Cadmium

Lead

Zinc



PREScore 4.0  
AIR PATHWAY WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

Hazardous Substance	Toxicity Value	Gas Mobility Value	Particulate Mobility Value	Toxicity/ Mobility Value
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PREScore 4.0  
AIR PATHWAY WASTE CHARACTERISTICS  
Guignon and Green Co. - 02/06/97

## Hazardous Substances Found in an Observed Release

Sample ID	Observed Release Hazardous Substance	Particulate Toxicity/ Mobility Value	Gas Toxicity/ Mobility Value
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- N/A and/or data not specified

- N/A and/or data not specified

PREScore 4.0

Guignon and Green Co. - 02/06/97

Toxicity/Mobility Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Mobility Factor:	0.00E+00
Sum of Source Hazardous Waste Quantity Values:	0.00E+00
Hazardous Waste Quantity Factor:	0
Waste Characteristics Factor Category:	0

AIR PATHWAY TARGETS



PREScore 4.0  
%2d %-20.20s %5.3lf %-10.10s  
Guignon and Green Co. - 02/06/97

Nearest Individual Factor

Distance in miles: Potentia

Nearest Individual Value: 4.935385870011683520000000000000000000000000e+257

Resources

Resource Value: 4.935385869982639780000000000000000000000000e+257

PREScore 4.0  
%2d %-20.20s %5.3lf %-10.10s  
Guignon and Green Co. - 02/06/97

## Actual Contamination, Sensitive Environments

Sensitive Environment	Distance (miles)	Sensitive Environment Value
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- N/A and/or data not specified

## Actual Contamination, Wetlands

Distance Category	Wetland Acreage	Wetland Acreage Value
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- N/A and/or data not specified

=====  
(Sum of Sensitive Environments + Wetlands Values)

PREScore 4.0  
 %2d %-20.20s %5.3lf %-10.10s  
 Guignon and Green Co. - 02/06/97

## Potential Contamination, Sensitive Environments

Sensitive Environment	Distance (miles)	Sensitive Environment Value	Distance Weight	Weighted Value/10
24940	0.0000	4.935385843404746150000000000000000000000000e+257		
		6.966985983755210970000000000000000000000000e+199		
Sum of Sensitive Environments Weighted Values/10:				0.000

## Potential Contamination, Wetlands

Distance Category	Wetland Acreage	Wetland Acreage Value	Distance Weight	Weighted Value/10
- N/A and/or data not specified				

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PREScore 4.0

REFERENCES

Guignon and Green Co. - 02/06/97